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REPORT

AMT
The Association For Manufacturing Technology
Founded 1902 as National Machine Tool Builders' Association
Direct Dial: (703) 827-5260

STATISTICAL

No. 58-92 July 1, 1992

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY – APRIL 1992

(values in millions of U.S. dollars)

	Apr. 1992	Mar. 1992	Average Jan.-Mar.	YTD Total'92	YTD Total'91	% Change 1991-1992
METAL CUTTING MACHINE TOOLS						
Exports	$ 45.1	$ 42.0	$ 44.9	$179.8	$201.6	(10.8%)
Imports	$135.2	$118.6	$116.8	$485.7	$561.4	(13.4%)
Balance	($ 90.1)	($ 76.6)	($ 71.9)	($305.9)	($359.8)	(15.0%)
METAL FORMING MACHINE TOOLS						
Exports	$ 41.0	$ 35.3	$ 39.7	$160.3	$141.4	13.4%
Imports	$ 47.3	$ 44.9	$ 39.7	$166.5	$218.8	(23.9%)
Balance	($ 6.3)	($ 9.6)	$ 0.0	($ 6.2)	($ 77.4)	(92.0%)
MACHINE TOOL TOTAL						
Exports	$ 86.1	$ 77.3	$ 84.7	$340.1	$343.1	(0.9%)
Imports	$182.5	$163.5	$156.5	$652.1	$780.2	(16.4%)
Balance	($ 96.4)	($ 86.2)	($ 71.8)	($312.0)	($437.1)	(28.6%)
NUMERICALLY CONTROLLED MACHINE TOOLS						
Exports	$ 23.2	$ 19.4	$ 24.7	$ 97.3	$114.3	(14.9%)
Imports	$101.0	$ 84.4	$ 81.9	$346.7	$399.1	(13.1%)
Balance	($ 77.8)	($ 65.0)	($ 57.2)	($249.4)	($284.8)	(12.4%)
OTHER MANUFACTURING TECHNOLOGY						
Exports	$147.7	$156.6	$148.4	$593.1	$541.7	9.5%
Imports	$168.8	$173.8	$150.1	$619.1	$691.0	(14.3%)
Balance	($ 21.1)	($ 17.2)	($ 1.7)	($ 26.0)	($149.3)	NM

Note: Numerically controlled machine tools is a subgroup of the machine tool total. ( ) denotes negative. NM = not meaningful. Individual items may not add up to totals due to rounding.

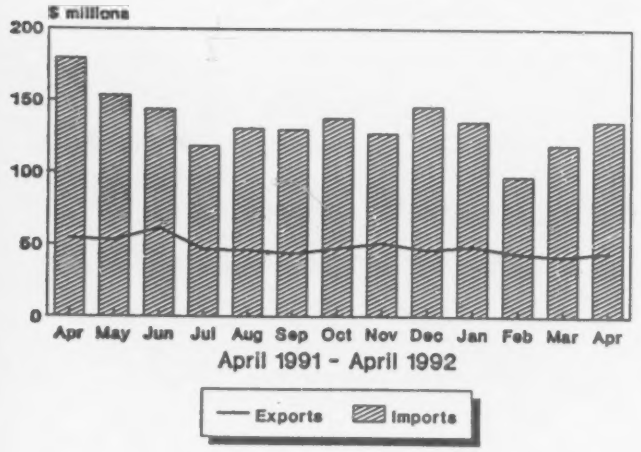
- April U.S. machine tool exports were $86.1 million, up 11% from March. Year-to-date exports are down slightly to $340.1 million from $343.1 million in 1991.

- U.S. machine tool imports in April increased to $182.5 million in April, up 12% from March. Year-to-date imports are down 16% from 1991.

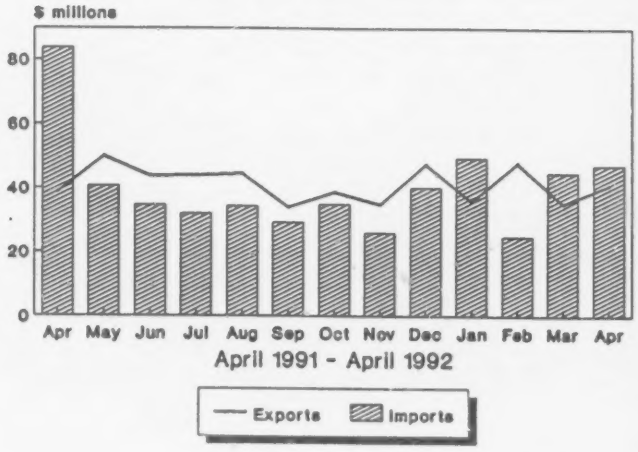
- The year-to-date machine tool trade deficit is down almost 29% to $312.0 million, from $437.1 million in 1991.

U.S. MONTHLY TRADE IN MACHINE TOOLS

METAL CUTTING



METAL FORMING



METAL CUTTING MACHINE TOOLS

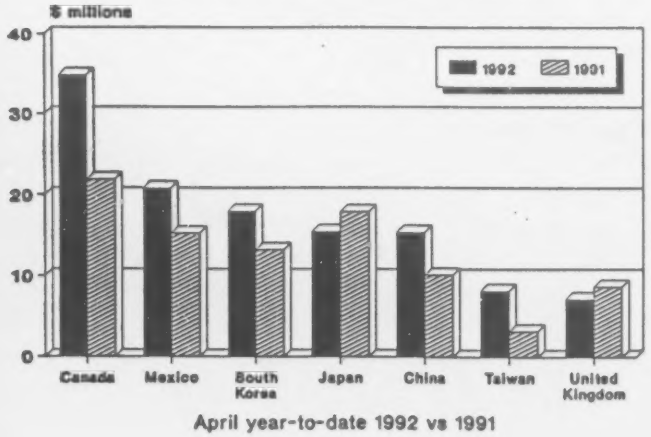
Exports

• Metal cutting exports in April rose 7% from March to $45.1 million. Year-to-date exports of $179.8 million are down 11% from last year.

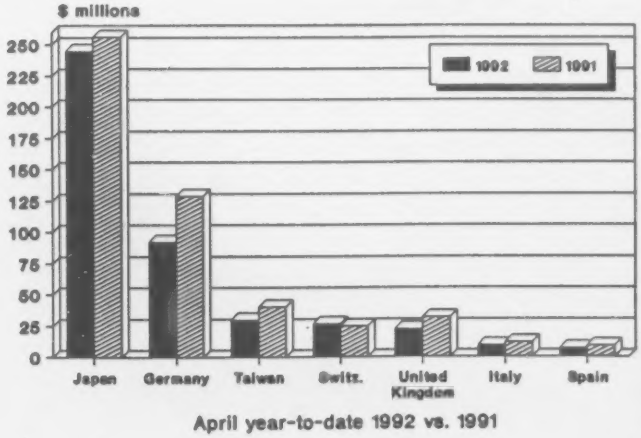
• Canada is the top year-to-date metal cutting export market at $34.9 million, up 59% over last year. Exports to Taiwan are up 157% to $8.2 million so far this year. Exports to Austria in 1992 through April are $1.3 million, up from $467,486 last year at this time.

• Year-to-date exports of NC vertical lathes are $3.2 million, up from $1.0 million last year at this time. Exports of milling machines are up 72% thus far in 1992 to $18.7 million.

LEADING U.S. EXPORT MARKETS
METAL CUTTING MACHINES



LEADING U.S. IMPORT SOURCES
METAL CUTTING MACHINES



Imports

•Imports of metal cutting machines in April rose to $135.2 million, up from $118.6 million in March. Year-to-date imports of $485.7 million are down 13.4% from last year.

• Year-to-date imports of milling machines are down nearly 45% to $16.5 million, from $30.0 million this time last year. Horizontal NC lathe imports are $82.3 million, down 15% from the comparable period in 1991.

• Year-to-date metal cutting imports from Japan are down 5% to $245.1 million; imports from the United Kingdom are down 29% to $22.5 million. Imports in 1992 through April from Singapore are still close to double year earlier levels, at $6.5 million this year.

METAL FORMING MACHINE TOOLS

Exports

• Exports of metal forming machines increased to $41.0 million in April, up from $35.3 million in March. Year-to-date exports are up 13.4% to $160.3 million.

• Mexico is again the top year-to-date market at $26.9 million, up 63% over last year; exports to Korea are up 60% to $11.5 million. Exports to Belgium are $7.3 million, up from $0.6 million at this time in 1991, while exports to Venezuela are $1.9 million, up from $0.5 million last year at this time.

• Exports of bending and forming machines so far in 1992 are $27.5 million, up 18% from $23.3 million last year at this time. Year-to-date exports of forging machines fell to $11.4 million, 11% below the comparable period last year.

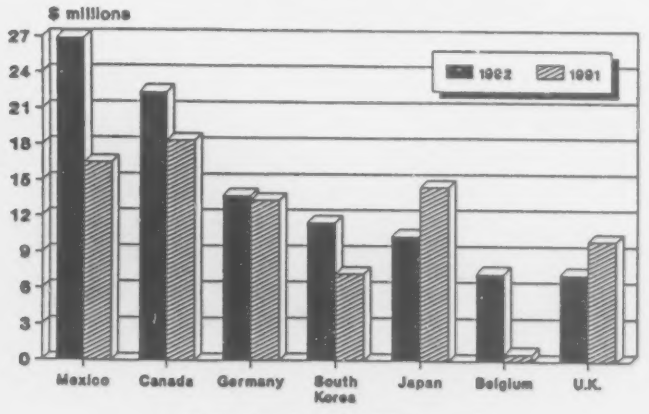
Imports

• Year-to-date imports of metal forming machines are down 24% to $166.5 million. April imports of $47.3 million are up from $44.9 million in March.

• Year-to-date imports of presses are down 59% to $35.0 million from $85.7 million during the same period last year. Imports of forging machines are up 73% to $34.3 million in 1992.

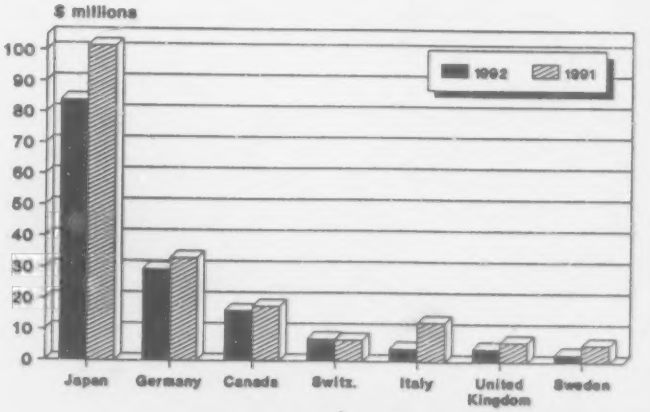
•Imports from Japan through April are down 17% to $84.0 million; imports from Germany are $29.6 million through April down from $33.2 million in 1991, representing an 11% decline.

LEADING U.S. EXPORT MARKETS
METAL FORMING MACHINES



April year-to-date 1992 vs. 1991

LEADING U.S. IMPORT SOURCES
METAL FORMING MACHINES



April year-to-date 1992 vs. 1991

OTHER MANUFACTURING TECHNOLOGY

Exports

• Exports of machine tool parts and accessories are $251.3 million in 1992 through April, up from $221.5 million last year at this time. The top markets during the month of April 1992: Japan ($11.0 million), Canada ($10.8 million), and Germany ($5.8 million).

• Exports of injection molding machines for thermoplastics so far in 1992 are $29.9 million, up 94% from $15.4 million during the same period in 1991. The top markets in April are: Canada ($6.5 million), Germany ($0.9 million), and Mexico ($0.4 million).

Imports

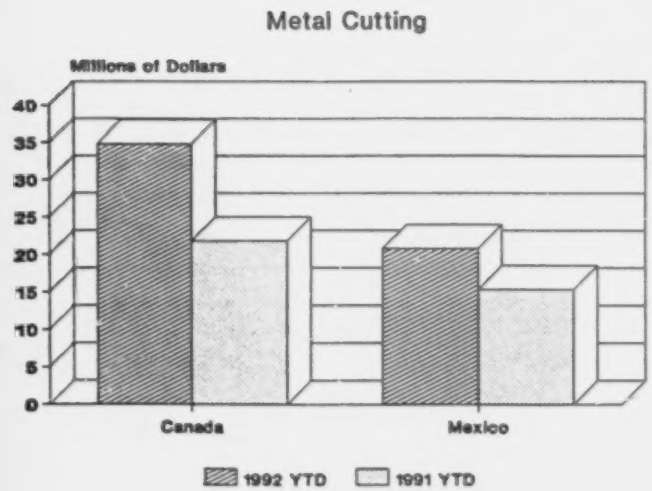
• Imports of machine tool parts and accessories are $185.0 million in 1992 through April, down slightly from $185.4 million in 1991. The top sources in April: Canada ($17.3 million), Japan ($12.1 million) and Germany ($7.8 million).

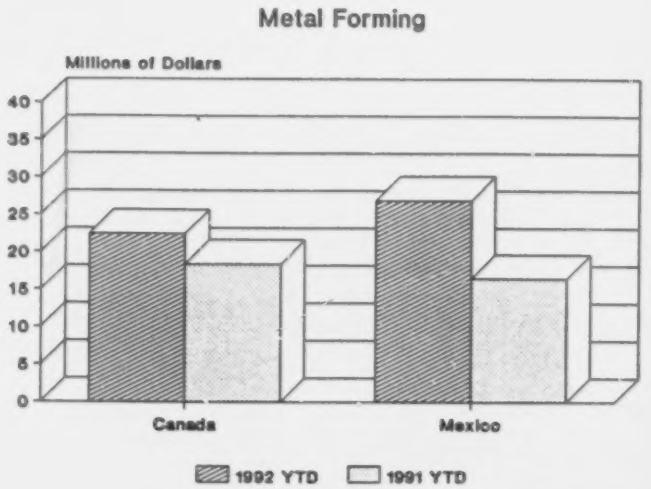
• Year-to-date imports of NC lasers for working metal are $13.3 million, up from $9.2 million in 1991 at this time. The only import sources for NC lasers in April are Japan ($3.3 million) and Germany ($0.6 million).

MONTHLY FOCUS

With the current negotiation of a North American Free Trade Agreement, it is interesting to note that both Canada and Mexico are the two largest U.S. export markets for machine tools. Canada and Mexico imported a combined $259.4 million worth of machine tools in 1991. Year-to-date figures for April 1992 indicate that exports to these countries are already $[illegible]05 million. This is an increase of 45% over year earlier levels of $72.0 million for the same period. The U.S. balance of trade with these countries is especially favorable. U.S. imports of Canadian machine tools through April 1992 are $24.4 million, resulting in a U.S. trade surplus of $32.8 million during the first four months of 1992. U.S. imports of Mexican machine tools are so small, that almost all U.S. exports result in a trade surplus.

U.S. Machine Tool Exports to Canada and Mexico





1992 EXPORTS

METAL CUTTING

COUNTRY	APR'92	MAR'92	% CHANGE	APR'92 YTD	APR'91 YTD	% CHANGE
Canada	$11,976,911	$6,746,814	77.5%	$34,864,646	$21,885,379	59.3%
Mexico	5,730,529	5,728,575	0.0%	20,837,531	15,275,653	36.4%
South Korea	4,140,113	3,411,661	21.4%	17,984,431	13,207,383	36.2%
Japan	1,746,002	2,982,330	-41.5%	15,451,746	17,937,900	-13.9%
China	3,544,037	2,386,904	48.5%	15,428,739	10,122,474	52.4%
Taiwan	1,942,127	1,668,460	16.4%	8,179,101	3,179,274	157.3%
United Kingdom	2,598,053	1,041,355	149.5%	7,130,471	8,678,056	-17.8%
Germany	2,426,100	1,681,578	44.3%	6,828,438	29,297,824	-76.7%
Indonesia	157,918	4,415,000	-96.4%	4,739,396	81,705	5700.6%
Brazil	368,771	507,551	-27.3%	4,125,164	3,893,886	5.9%
Italy	277,648	1,264,366	-78.0%	3,998,857	6,102,318	-34.5%
India	1,063,581	2,149,449	-50.5%	3,793,105	5,644,569	-32.8%
Singapore	712,008	1,479,016	-51.9%	3,355,211	1,994,362	68.2%
Switzerland	76,912	588,714	-86.9%	2,927,770	2,176,650	34.5%
France	557,133	342,979	62.4%	2,460,089	7,250,681	-66.1%
Venezuela	388,838	968,044	-59.8%	2,195,100	4,211,239	-47.9%
Netherlands	705,491	30,620	2204.0%	2,111,816	2,796,608	-24.5%
Australia	259,026	434,212	-40.3%	1,524,408	1,901,671	-19.8%
Austria	768,847	8,809	8628.0%	1,274,259	467,486	172.6%
Thailand	285,170	486,622	-41.4%	1,242,437	1,046,375	18.7%
Belgium	476,902	123,874	285.0%	784,676	4,835,882	-83.8%
Malaysia	21,686	223,088	-90.3%	454,156	702,528	-35.4%
Spain	318,327	53,192	498.4%	448,823	546,354	-17.9%
USSR	0	0	NA	0	14,234,533	-100.0%

METAL FORMING

COUNTRY	APR'92	MAR'92	% CHANGE	APR'92 YTD	APR'91 YTD	% CHANGE
Mexico	$5,205,283	$8,177,089	-36.3%	$26,882,369	$16,513,439	62.8%
Canada	5,944,693	5,949,839	-0.1%	22,375,605	18,365,508	21.8%
Germany	4,762,148	2,276,472	109.2%	13,769,297	13,362,142	3.0%
South Korea	2,042,752	1,896,157	7.7%	11,536,123	7,218,658	59.8%
Japan	2,383,709	2,829,337	-15.8%	10,385,411	14,474,022	-28.2%
Belgium	478,378	756,562	-36.8%	7,296,656	610,398	1095.4%
United Kingdom	561,572	1,244,304	-54.9%	7,246,076	10,008,757	-27.6%
France	1,459,624	1,264,480	15.4%	7,110,456	8,786,417	-19.1%
Taiwan	1,535,942	1,462,014	5.1%	5,452,451	3,607,541	51.1%
Italy	3,453,261	534,622	545.9%	4,714,953	2,393,065	97.0%
Thailand	1,342,969	88,113	1424.1%	4,325,392	1,889,281	128.9%
China	2,822,059	189,649	1388.0%	4,074,444	5,176,449	-21.3%
Singapore	2,379,870	525,553	352.8%	3,993,983	2,602,039	53.5%
Brazil	853,557	921,416	-7.4%	2,915,993	2,524,038	15.5%
Venezuela	839,255	414,593	102.4%	1,902,944	534,720	255.9%
Switzerland	61,730	240,969	-74.4%	1,453,637	1,044,616	39.2%
Netherlands	584,103	148,840	292.4%	1,255,829	5,037,394	-75.1%
Malaysia	129,175	656,411	-80.3%	936,921	651,562	43.8%
Spain	332,644	0	NA	830,941	537,927	54.5%
Austria	290,982	412,442	-29.4%	809,609	187,657	331.4%
Australia	126,921	192,649	-34.1%	653,797	1,130,687	-42.2%
Indonesia	0	270,000	-100.0%	590,030	1,945,337	-69.7%
India	177,341	161,193	10.0%	549,635	649,306	-15.4%
USSR	0	45,960	-100.0%	121,743	0	NA

MACHINE TOOL TOTAL

COUNTRY	APR'92	MAR'92	% CHANGE	APR'92 YTD	APR'91 YTD	% CHANGE
Canada	$17,921,604	$12,696,653	41.2%	$57,240,251	$40,250,887	42.2%
Mexico	10,935,812	13,905,664	-21.4%	47,719,900	31,789,092	50.1%
South Korea	6,182,865	5,307,818	16.5%	29,520,554	20,426,041	44.5%
Japan	4,129,711	5,811,667	-28.9%	25,837,157	32,411,922	-20.3%
Germany	7,188,248	3,958,050	81.6%	20,597,735	42,659,966	-51.7%
China	6,366,096	2,576,553	147.1%	19,503,183	15,298,923	27.5%
United Kingdom	3,159,625	2,285,659	38.2%	14,376,547	18,686,813	-23.1%
Taiwan	3,478,069	3,130,474	11.1%	13,631,552	6,786,815	100.9%
France	2,016,757	1,607,459	25.5%	9,570,545	16,037,098	-40.3%
Italy	3,730,909	1,798,988	107.4%	8,713,810	8,495,383	2.6%
Belgium	955,280	880,436	8.5%	8,081,332	5,446,280	48.4%
Singapore	3,091,878	2,004,569	54.2%	7,349,194	4,596,401	59.9%
Brazil	1,222,328	1,428,967	-14.5%	7,041,157	6,417,924	9.7%
Thailand	1,628,139	574,735	183.3%	5,567,829	2,935,656	89.7%
Indonesia	157,918	4,685,000	-96.6%	5,329,426	2,027,042	162.9%
Switzerland	138,642	829,683	-83.3%	4,381,407	3,221,266	36.0%
India	1,240,922	2,310,642	-46.3%	4,342,740	6,293,875	-31.0%
Venezuela	1,228,093	1,382,637	-11.2%	4,098,044	4,745,959	-13.7%
Netherlands	1,289,594	179,460	618.6%	3,367,645	7,834,002	-57.0%
Australia	385,947	626,861	-38.4%	2,178,205	3,032,358	-28.2%
Austria	1,059,829	421,251	151.6%	2,083,868	655,143	218.1%
Malaysia	150,861	879,499	-82.8%	1,391,077	1,354,090	2.7%
Spain	650,971	53,192	1123.8%	1,279,764	1,084,281	18.0%

1992 IMPORTS

METAL CUTTING

COUNTRY	APR'92	MAR'92	% CHANGE	APR'92 YTD	APR'91 YTD	% CHANGE
Japan	$71,678,655	$60,150,783	19.2%	$245,149,096	$257,965,547	-5.0%
Germany	28,758,177	14,774,500	94.6%	91,991,147	128,748,405	-28.5%
Taiwan	6,864,645	7,149,360	-4.0%	29,901,963	40,446,526	-26.1%
Switzerland	8,273,724	6,775,113	22.1%	26,802,124	24,781,933	8.2%
United Kingdom	4,253,230	8,239,796	-48.4%	22,536,313	31,753,398	-29.0%
Italy	1,615,517	2,177,284	-25.8%	9,538,760	11,716,814	-18.6%
Canada	1,319,432	2,637,951	-50.0%	8,072,140	6,063,417	33.1%
South Korea	1,209,482	2,053,488	-41.1%	7,879,647	6,403,200	23.1%
Spain	4,099,397	750,900	445.9%	7,194,895	8,775,951	-18.0%
Singapore	1,347,981	1,850,753	-27.2%	6,473,887	3,346,319	93.5%
France	697,288	1,735,935	-59.8%	3,110,299	6,528,975	-52.4%
Brazil	764,007	80,601	847.9%	2,598,705	3,100,410	-16.2%
Sweden	135,525	950,447	-85.7%	2,493,265	8,012,775	-68.9%
Belgium	20,000	102,702	-80.5%	194,102	1,030,475	-81.2%

METAL FORMING

COUNTRY	APR'92	MAR'92	% CHANGE	APR'92 YTD	APR'91 YTD	% CHANGE
Japan	$24,845,571	$21,903,887	13.4%	$83,970,934	$101,512,959	-17.3%
Germany	8,130,811	10,214,853	-20.4%	29,600,448	33,226,840	-10.9%
Canada	4,694,768	4,522,793	3.8%	16,360,940	17,760,980	-7.9%
Switzerland	1,291,535	2,326,115	-44.5%	7,460,977	7,103,752	5.0%
Italy	1,500,186	1,200,945	24.9%	4,379,065	12,645,035	-65.4%
United Kingdom	1,219,145	952,567	28.0%	4,304,269	6,468,216	-33.5%
Belgium	537,738	341,270	57.6%	3,406,330	3,597,488	-5.3%
Taiwan	819,702	774,610	5.8%	2,787,910	2,535,286	10.0%
France	871,301	833,915	4.5%	2,771,965	940,163	194.8%
Sweden	382,482	407,010	-6.0%	2,705,103	5,688,096	-52.4%
Spain	411,991	90,649	354.5%	1,136,381	1,044,743	8.8%
South Korea	219,859	0	NA	490,198	363,335	34.9%
Singapore	11,500	0	NA	11,500	300,254	-96.2%
Brazil	0	0	NA	9,051	19,218,837	-100.0%

MACHINE TOOL TOTAL

COUNTRY	APR'92	MAR'92	% CHANGE	APR'92 YTD	APR'91 YTD	% CHANGE
Japan	$96,524,226	$82,054,670	17.6%	$329,120,030	$359,478,506	-8.4%
Germany	36,888,988	24,989,353	47.6%	121,591,595	161,975,245	-24.9%
Switzerland	9,565,259	9,101,228	5.1%	34,263,101	31,885,685	7.5%
Taiwan	7,684,347	7,923,970	-3.0%	32,689,873	42,981,812	-23.9%
United Kingdom	5,472,375	9,192,363	-40.5%	26,840,582	38,221,614	-29.8%
Canada	6,014,200	7,160,744	-16.0%	24,433,080	23,824,397	2.6%
Italy	3,115,703	3,378,229	-7.8%	13,917,825	24,361,849	-42.9%
South Korea	1,429,341	2,053,488	-30.4%	8,369,845	6,766,535	23.7%
Spain	4,511,388	841,549	436.1%	8,331,276	9,820,694	-15.2%
Singapore	1,359,481	1,850,753	-26.5%	6,485,387	3,646,573	77.8%
France	1,568,589	2,569,850	-39.0%	5,882,264	7,469,138	-21.2%
Sweden	518,007	1,357,457	-61.8%	5,198,368	13,700,871	-62.1%
Belgium	557,738	443,972	25.6%	3,600,432	4,627,963	-22.2%
Brazil	764,007	80,601	847.9%	2,607,756	22,319,247	-88.3%

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 92

RELEASED: July 1, 1992

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	180	2289	58	795
8462100030	Headers and upsetters, including cold headers	6	4169	1	581
100050	Forging or die stamping machines, and hammers, n.e.c.	67	7280	23	3187
210080	Bending, folding, straight. or flat. mach., incl presses, NC	140	10862	29	2056
290030	Press brakes, non-NC	62	1345	45	1124
290040	Bending rolls, non-NC	23	949	3	163
290050	Bending, folding, straight., or flat., n.e.c., non-NC	397	14331	74	2924
310080	Shearing machines, NC	35	2182	6	313
390050	Shearing machines, non-NC	128	2404	46	744
410080	Punching or notching mach., incl. comb. punch & shear, NC	50	8214	14	2204
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	209	5491	69	1409
910060	Hydraulic presses, NC	12	703	9	532
910090	Hydraulic presses, non-NC	116	3734	21	774
990030	Presses, n.e.c., NC	55	5852	12	2488
990040	Presses, mechanical, non-NC	22	1787	8	321
990060	Presses, n.e.c., non-NC	228	20053	77	7252
8463100080	Draw benches for bars, tubes, profiles, wire or the like	72	2235	18	521
200080	Thread rolling machines	11	268	1	53
300080	Machines for working wire	221	6512	42	2032
900080	Metal forming machine tools, n.e.c.	579	31760	79	7536
9800000002	Used or rebuilt machine tools	960	24056	209	2976
9900000002	Machine tools valued at less than $3,025	4584	3811	1257	1056
	Forming Total			2101	41040
	Y-T-D Forming Total	8157	160286		
	NC Y-T-D Forming Total	292	27813		
	Cutting and Forming Totals:				
	Monthly Total			8041	86117
	Y-T-D Total	29644	340127		
	NC Y-T-D Total*	794	97336		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	251310	0	66323
2000000000	Parts for working rubber or plastics - heading 8477	0	82887	0	20240
2710003070	Quenching or cutting oils	0	2586	0	568
8428900010	Industrial robots for lifting, handling, loading or unload	580	5839	127	837
8431390090	Parts industrial robots, handling and loading - heading 8428	0	31371	0	5982
8456100000	Laser, light or photon beam for working any material	123	6729	26	1878
200000	Ultrasonic process for working any material	6	180	0	0
8477106010	Injection molding mach., for rubber or oth. thermosetting	84	7209	29	2666
106070	Injection molding machines, for thermoplastics	206	29942	36	11515
200005	Extruders; rubber or other thermosetting mat., single screw	19	1749	9	368
200015	Extruders; rubber or thermosetting, other incl. multi. screw	51	4013	21	1327
200030	Extruders; thermoplastics, single screw	56	5677	12	737
200060	Extruders; thermoplastics, other incl. multi. screw	29	2937	4	76
300000	Blow molding machines	213	18489	30	1852
400000	Vacuum-molding and other thermoforming machines	729	5853	353	1542
510010	Machines for molding or retreading pneumatic tires	2269	12387	736	3744
510090	Machines for molding or otherwise forming inner tubes	351	1816	49	514
590000	Machines for molding or otherwise forming n.e.c.	686	8271	303	2330
800000	Machines for working rubber or plastics n.e.c.	1263	32662	249	5711
8479899040	Industrial robots, n.e.c.	1884	20725	451	5697
908040	Industrial robot parts	0	9991	0	2131
8537100030	Numerical controls for controlling machine tools	605	8375	167	2327
9024100000	Machines and appliances for testing metals	0	19659	0	4891
9031100000	Machines for balancing mechanical parts	0	8888	0	1380
300000	Profile projectors	0	1030	0	147
9032810040	Industrial process control instr., hydraulic or pneumatic	140451	12543	28072	2902

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

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Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	1	42	0	0	7	2202
210080	1	54	0	0	0	0	0	0	14	798
290030	0	0	0	0	0	0	0	0	3	104
290040	0	0	0	0	0	0	0	0	1	22
290050	0	0	0	0	4	89	0	0	30	540
310080	0	0	0	0	0	0	0	0	2	118
390050	0	0	0	0	0	0	0	0	10	209
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	0	0	0	0	0	0	10	70
910060	0	0	0	0	1	34	0	0	0	0
910090	1	9	0	0	1	11	0	0	0	0
990030	0	0	0	0	0	0	0	0	3	593
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	4	100	0	0	0	0	4	387
8463100080	0	0	0	0	0	0	0	0	1	4
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	2	12
900080	0	0	0	0	8	274	4	796	10	120
9800000002	0	0	20	191	4	14	1	50	28	642
9900000002	73	64	0	0	17	14	8	7	120	123
Month Tot	75	127	24	291	36	478	13	854	245	5945
Y-T-D Tot	135	654	67	810	220	7297	205	2916	1128	22376
NC YTD Tot	2	113	0	0	4	154	2	80	48	4365
C&F Month	157	386	42	1060	69	955	173	1222	1665	17922
C&F Y-T-D	469	2178	88	2084	292	8081	465	7041	3949	57240
C&F NC YTD*	6	293	3	1240	8	479	20	2144	155	20821

Other Manufacturing Technology

1000000000	0	834	0	165	0	584	0	953	0	10783
2000000000	0	316	0	7	0	229	0	319	0	5714
2710003070	0	16	0	0	0	0	0	19	0	186
8428900010	0	0	47	471	0	0	0	0	7	103
8431390090	0	411	0	0	0	63	0	26	0	1358
8456100000	0	0	0	0	0	0	0	0	1	18
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	2	94
106070	0	0	0	0	0	0	0	0	15	6523
200005	0	0	0	0	0	0	0	0	1	180
200015	0	0	0	0	0	0	0	0	6	639
200030	2	386	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	1	14
300000	5	9	0	0	0	0	0	0	3	696
400000	0	0	0	0	0	0	0	0	1	38
510010	2	51	0	0	9	47	19	476	87	2247
510090	0	0	0	0	0	0	0	0	0	0
590000	1	125	0	0	7	106	1	4	8	141
800000	0	0	0	0	1	13	9	40	64	963
8479899040	0	0	0	0	1	714	1	8	311	1866
908040	0	4	0	0	0	0	0	0	0	629
8537100030	0	0	0	0	4	45	0	0	21	279
9024100000	0	38	0	0	0	3	0	34	0	523
9031100000	0	14	0	0	0	5	0	7	0	636
300000	0	0	0	0	0	0	0	0	0	13
9032810040	2879	190	342	96	1203	99	20	5	1457	107

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
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	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	25	273	1	83	0	0	0	0	0	0
8462100030	0	0	1	581	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	333	0	0	0	0	0	0
290030	39	999	0	0	0	0	0	0	0	0
290040	0	0	0	0	1	84	0	0	0	0
290050	0	0	1	66	4	276	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	1	284	0	0	1	169	0	0	0	0
490050	1	74	2	131	2	65	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	1	124	0	0	1	6	0	0	0	0
990030	1	300	0	0	0	0	0	0	0	0
990040	0	0	0	0	1	12	0	0	0	0
990060	0	0	4	159	13	3408	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	4	48	0	0	5	259	0	0	0	0
900080	1	720	2	89	8	336	0	0	0	0
9800000002	0	0	0	0	5	107	22	162	0	0
9900000002	0	0	21	18	48	41	34	15	0	0
Month Tot	73	2822	33	1460	89	4762	56	177	0	0
Y-T-D Tot	97	4074	180	7110	381	13769	115	550	13	590
NC YTD Tot	16	1747	4	652	6	648	0	0	0	0
C&F Month	124	6366	83	2017	407	7188	74	1241	18	158
C&F Y-T-D	422	19503	516	9571	1407	20598	323	4343	43	5329
C&F NC YTD*	42	8701	16	1949	30	2758	2	446	3	135

Other Manufacturing Technology

1000000000	0	1293	0	3206	0	5769	0	959	0	326
2000000000	0	10	0	536	0	2261	0	163	0	610
2710003070	0	0	0	0	0	18	0	0	0	7
8428900010	0	0	2	74	0	0	0	0	0	0
8431390090	0	0	0	147	0	60	0	0	0	431
8456100000	0	0	2	199	0	0	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	0	0	2	921	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	4	125	3	152	0	0	0	0
400000	1	9	108	24	0	0	0	0	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	1	23
590000	0	0	8	102	14	289	4	68	0	0
800000	2	817	4	43	2	21	4	63	0	0
8479899040	4	26	8	143	11	519	0	0	0	0
908040	0	4	0	307	0	313	0	0	0	0
8537100030	13	152	9	129	20	299	0	0	0	0
9024100000	0	149	0	79	0	289	0	177	0	0
9031100000	0	0	0	3	0	81	0	12	0	0
300000	0	0	0	0	0	0	0	0	0	0
9032810040	2	7	1416	142	3879	295	201	12	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
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	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	26	2	17	5	59	1	115	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	1	33	0	0	0	0	0	0	4	246
210080	0	0	1	261	3	261	0	0	1	58
290030	0	0	0	0	0	0	0	0	1	10
290040	0	0	0	0	0	0	0	0	1	56
290050	0	0	1	44	2	123	0	0	13	348
310080	0	0	0	0	0	0	0	0	2	118
390050	15	250	0	0	0	0	0	0	11	131
410080	1	60	0	0	0	0	0	0	1	160
490050	0	0	2	127	3	124	1	14	10	149
910060	0	0	0	0	0	0	0	0	2	132
910090	0	0	0	0	0	0	0	0	6	379
990030	3	640	4	699	0	0	0	0	0	0
990040	0	0	4	152	1	60	0	0	1	45
990060	1	1335	1	26	2	318	0	0	37	1218
8463100080	0	0	0	0	0	0	0	0	14	382
200080	0	0	0	0	0	0	0	0	0	0
300080	4	1063	6	143	0	0	0	0	3	215
900080	0	0	12	800	9	1056	0	0	3	21
9800000002	1	10	1	50	2	35	0	0	90	1227
9900000002	40	35	86	65	9	8	0	0	322	309
Month Tot	67	3453	120	2384	36	2043	2	129	522	5205
Y-T-D Tot	226	4715	592	10385	264	11536	37	937	1958	26882
NC YTD Tot	7	854	11	1590	21	3381	7	455	49	3724
C&F Month	144	3731	346	4130	170	6183	22	151	1668	10936
C&F Y-T-D	545	8714	1790	25837	857	29521	215	1391	6247	47720
C&F NC YTD*	12	2365	56	5138	66	10663	7	455	110	11292

Other Manufacturing Technology

1000000000	0	1969	0	11037	0	3502	0	773	0	4404
2000000000	0	378	0	802	0	177	0	102	0	1428
2710003070	0	0	0	26	0	10	0	0	0	27
8428900010	0	0	55	37	0	0	0	0	0	0
8431390090	0	22	0	97	0	51	0	0	0	332
8456100000	1	13	1	75	0	0	0	0	13	300
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	1	102	0	0	0	0	14	1434
106070	0	0	3	167	3	220	0	0	4	366
200005	0	0	0	0	0	0	0	0	0	0
200015	4	196	0	0	0	0	0	0	7	415
200030	0	0	0	0	0	0	0	0	8	291
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	3	391
400000	0	0	0	0	0	0	0	0	30	317
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	1	20	0	0	1	3	14	103
590000	3	169	145	143	0	0	0	0	36	323
800000	1	8	13	500	1	265	22	354	67	866
8479899040	43	371	3	20	0	0	0	0	8	25
908040	0	163	0	145	0	115	0	0	0	30
8537100030	21	357	2	28	4	37	1	8	2	18
9024100000	0	104	0	796	0	1175	0	258	0	173
9031100000	0	19	0	77	0	24	0	0	0	206
300000	0	28	0	0	0	17	0	0	0	0
9032810040	1422	220	2096	154	86	53	0	0	3050	172

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	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	1	13	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	1	28	0	0	0	0	0	0	1	38
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	6	1146	0	0	0	0	1	25
310080	1	22	0	0	0	0	0	0	0	0
390050	0	0	2	26	0	0	0	0	0	0
410080	2	375	1	465	0	0	0	0	2	302
490050	1	10	1	14	0	0	0	0	6	161
910060	0	0	0	0	5	290	0	0	0	0
910090	3	56	0	0	0	0	0	0	1	32
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	1	52
990060	1	67	0	0	0	0	1	20	0	0
8463100080	0	0	2	107	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	2	111	5	43	1	15	0	0
900080	0	0	2	279	0	0	0	0	4	867
9800000002	1	20	4	181	0	0	0	0	3	50
9900000002	4	7	37	38	0	0	32	27	11	10
Month Tot	14	584	58	2380	10	333	34	62	30	1536
Y-T-D Tot	78	1256	174	3994	27	831	169	1454	102	5452
NC YTD Tot	6	600	2	523	5	290	12	1003	20	1580
C&F Month	90	1290	261	3092	42	651	51	139	117	3478
C&F Y-T-D	300	3368	1280	7349	209	1280	350	4381	678	13632
C&F NC YTD*	26	1854	10	1405	5	290	20	3297	45	8191

Other Manufacturing Technology

1000000000	0	1545	0	888	0	839	0	720	0	2142
2000000000	0	208	0	469	0	133	0	44	0	292
2710003070	0	0	0	4	0	0	0	0	0	13
8428900010	0	0	0	0	0	0	0	0	0	0
8431390090	0	258	0	36	0	0	0	0	0	8
8456100000	1	110	0	0	0	0	1	12	1	13
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	0	0	0	0	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
400000	0	0	0	0	0	0	0	0	0	0
510010	490	389	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	12	13	0	0
590000	0	0	0	0	30	454	0	0	1	59
800000	0	0	22	6	0	0	0	0	2	28
8479899040	1	4	6	118	1	43	11	66	1	50
908040	0	37	0	32	0	0	0	71	0	0
8537100030	11	101	3	36	2	21	0	0	0	0
9024100000	0	13	0	59	0	33	0	116	0	114
9031100000	0	0	0	6	0	27	0	0	0	33
300000	0	0	0	13	0	8	0	14	0	51
9032810040	787	280	445	59	598	176	107	39	985	77

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
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	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	22	210
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	9	612	1	51
210080	0	0	3	117	0	0	0	0	3	108
290030	0	0	0	0	0	0	1	7	1	4
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	2	54	0	0	0	0	10	214
310080	0	0	0	0	0	0	0	0	1	55
390050	0	0	0	0	0	0	0	0	8	127
410080	0	0	2	103	0	0	0	0	3	287
490050	2	181	7	60	0	0	0	0	21	230
910060	0	0	0	0	0	0	0	0	1	76
910090	0	0	2	44	0	0	4	91	1	21
990030	1	255	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	2	24	0	0	3	105	4	85
8463100080	0	0	0	0	0	0	0	0	1	28
200080	0	0	0	0	0	0	0	0	1	53
300080	2	40	0	0	0	0	0	0	8	84
900080	4	863	2	22	0	0	0	0	10	1293
9800000002	2	4	5	12	0	0	1	22	19	198
9900000002	0	0	160	126	0	0	24	3	211	147
Month Tot	11	1343	185	562	0	0	42	839	326	3272
Y-T-D Tot	89	4325	542	7246	9	122	105	1903	1244	19101
NC YTD Tot	2	937	26	2137	0	0	0	0	42	2978
C&F Month	486	1628	531	3160	0	0	202	1228	1099	7807
C&F Y-T-D	1657	5568	1536	14377	9	122	1525	4098	4472	36803
C&F NC YTD*	8	1490	56	5826	0	0	7	404	81	5700

Other Manufacturing Technology

1000000000	0	426	0	4245	0	0	0	517	0	8446
2000000000	0	91	0	1516	0	0	0	576	0	3857
2710003070	0	0	0	40	0	0	0	17	0	186
8428900010	0	0	1	3	0	0	0	0	15	149
8431390090	0	378	0	105	0	0	0	49	0	2151
8456100000	0	0	1	1052	0	0	0	0	4	86
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	1	90	11	945
106070	0	0	1	169	0	0	0	0	8	3148
200005	0	0	0	0	0	0	0	0	8	189
200015	0	0	0	0	0	0	0	0	4	78
200030	0	0	0	0	0	0	1	35	1	24
200060	0	0	0	0	0	0	3	63	0	0
300000	0	0	4	331	0	0	0	0	8	148
400000	0	0	0	0	0	0	17	351	196	802
510010	0	0	0	0	0	0	1	30	128	505
510090	7	3	0	0	0	0	0	0	13	348
590000	0	0	2	32	0	0	0	0	43	313
800000	0	0	10	524	0	0	0	0	25	1199
8479899040	2	60	19	1080	0	0	0	0	20	585
908040	0	0	0	190	0	0	0	3	0	87
8537100030	1	14	34	501	0	0	1	28	18	274
9024100000	0	0	0	215	0	12	0	8	0	523
9031100000	0	0	0	0	0	0	0	12	0	220
300000	0	0	0	0	0	0	0	0	0	3
9032810040	0	0	1699	278	0	0	82	4	5316	441

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
April 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	0	0	0	0	0	0
Denmark	0	0	11	82	11	82
Finland	22	59	8	7	30	66
Greece	1	5	0	0	1	5
Hungary	0	0	0	0	0	0
Iceland	0	0	2	11	2	11
Ireland	4	267	13	41	17	307
Luxembourg	0	0	0	0	0	0
Norway	0	0	30	14	30	14
Poland	0	0	0	0	0	0
Portugal	1	19	1	17	2	36
Romania	0	0	0	0	0	0
Sweden	16	1116	87	168	103	1283
Turkey	3	4	8	207	11	212
Yugoslavia	8	85	0	0	8	85
Oth Europe	0	0	1	55	1	55
TOTAL	1022	9759	653	12586	1675	22345
NORTH AND CENTRAL AMERICA						
Bahamas	0	0	0	0	0	0
Barbados	0	0	1	4	1	4
Belize	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0
Costa Rica	2	100	12	118	14	218
Dominican Rep	15	25	5	25	20	50
El Salvador	0	0	2	4	2	4
Guatemala	2	61	6	7	8	67
Haiti	0	0	0	0	0	0
Honduras	6	16	2	50	8	66
Jamaica	0	0	0	0	0	0
Panama	1	3	1	109	2	113
Trinidad	2	39	0	0	2	39
Oth N & C Am.	3	5	3	6	6	11
TOTAL	2597	17957	799	11472	3396	29429
SOUTH AMERICA						
Argentina	9	255	26	326	35	581
Bolivia	0	0	0	0	0	0
Chile	17	460	10	43	27	503
Colombia	15	80	9	92	24	173
Ecuador	8	395	15	20	23	415
Paraguay	0	0	0	0	0	0
Peru	1	9	19	198	20	207
Uruguay	1	16	0	0	1	16
Oth South Am.	0	0	0	0	0	0
TOTAL	371	1973	134	2372	505	4345
OCEANIA						
New Zealand	0	0	9	8	9	8
Oth Oceania	8	12	0	0	8	12
TOTAL	90	271	84	135	174	406

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
April 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	362	674	3	14	365	688
Iran	1	84	0	0	1	84
Iraq	0	0	0	0	0	0
Israel	28	32	8	6	36	38
Jordan	3	6	0	0	3	6
Kuwait	36	23	4	3	40	27
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	2	6	0	0	2	6
Pakistan	0	0	0	0	0	0
Philippines	8	16	8	67	16	84
Qatar	0	0	0	0	0	0
Saudi Arabia	8	462	12	1477	20	1939
Sri Lanka	0	0	0	0	0	0
Syria	0	0	1	7	1	7
United Arab Emr	9	72	1	22	10	94
Vietnam	0	0	0	0	0	0
Oth Asia	137	7	1	10	138	17
TOTAL	1826	14995	424	14421	2250	29416
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	1	9	0	0	1	9
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	0	0	0	0	0	0
Guinea	11	7	0	0	11	7
Kenya	0	0	1	23	1	23
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	0	0	6	31	6	31
South Africa	21	44	0	0	21	44
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	1	60	0	0	1	60
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	34	121	7	54	41	175

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

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Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
April 92

RELEASED: July 1, 1992

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	136	9442	29	2516
8462100030	Headers and upsetters, including cold headers	16	2116	7	470
100050	Forging or die stamping machines, and hammers, n.e.c.	432	32166	126	12830
210080	Bending, folding, straight. or flat. mach., incl presses, NC	196	13621	39	2955
290030	Press brakes, non-NC	61	2025	14	541
290040	Bending rolls, non-NC	23	988	8	292
290050	Bending, folding, straight., or flat., n.e.c., non-NC	294	12298	90	2636
310080	Shearing machines, NC	16	1851	11	1108
390050	Shearing machines, non-NC	148	7014	50	2034
410080	Punching or notching mach., incl. comb. punch & shear, NC	94	10922	23	4095
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	160	6242	60	910
910060	Hydraulic presses, NC	6	2658	3	596
910090	Hydraulic presses, non-NC	1236	11177	304	2473
990030	Presses, n.e.c., NC	0	0	0	0
990035	Mechanical transfer presses, non-NC	7	10710	3	2083
990045	Mechanical presses, n.e.c., non-NC	38	1751	12	758
990060	Presses, n.e.c., non-NC	137	8741	39	2361
8463100080	Draw benches for bars, tubes, profiles, wire or the like	59	5505	14	1455
200080	Thread rolling machines	22	1038	4	229
300080	Machines for working wire	244	8824	71	2186
900080	Metal forming machine tools, n.e.c.	230	8273	69	1990
9800000002	Used or rebuilt machine tools	467	6551	91	1867
9900000002	Machine tools valued at less than $3,025	4959	2539	1644	876
	Forming Total			2711	47260
	Y-T-D Forming Total	8981	166451		
	NC Y-T-D Forming Total	312	29052		
	Cutting and Forming Totals:				
	Monthly Total			87546	182507
	Y-T-D Total	343095	652101		
	NC Y-T-D Total	2989	346673		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
1000000000	Machine tool parts and accessories	0	185044	0	54193
2000000000	Parts for working rubber or plastics - heading 8477	0	96101	0	25466
2710003070	Quenching or cutting oils	0	126	0	20
8428900010	Industrial robots for lifting, handling, loading or unload	1132	14716	263	5697
8431390080	Parts industrial robots, handling and loading - heading 8428	0	25021	0	6859
8456101010	Laser, light or photon beam for working metal, NC	79	13281	26	3827
101020	Laser, light or photon beam for working metal, non-NC	26	2869	8	596
105000	Laser, light or photon beam for other materials	66	1259	25	83
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	1	4	0	0
205000	Ultrasonic processes for working other materials	29	63	1	3
8477103000	Injection molding mach., for manufacturing shoes	44	1008	12	134
106010	Injection molding mach., for rubber or oth. thermosetting	281	30002	32	5331
106050	Injection molding mach., for thermoplastics	1042	95947	257	27193
200005	Extruders; rubber or other thermosetting mat., single screw	14	1148	2	193
200015	Extruders; rubber or thermosetting, other incl. multi. screw	9	780	1	196
200035	Extruders; thermoplastics, single screw, less than 6.4cm	14	314	4	87
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	18	8016	6	3568
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	36	2158	15	984
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	21	6497	7	1194
300000	Blow molding machines	113	22601	47	4459
400000	Vacuum-molding and other thermoforming machines	113	2523	22	1649
510010	Machines for molding or retreading pneumatic tires	339	6068	13	1150
510090	Machines for molding or otherwise forming inner tubes	11	369	1	46
590000	Machines for molding or otherwise forming n.e.c.	342	14552	34	1504
800000	Machines for working rubber or plastics n.e.c.	1451	37839	421	8633
8479899040	Industrial robots, n.e.c.	596	22516	175	7947
908040	Industrial robot parts	0	11011	0	2990
8537100030	Numerical controls for controlling machine tools	2962	10076	921	2791
9024100000	Machines and appliances for testing metals	0	3137	0	685
9031100000	Machines for balancing mechanical parts	0	1457	0	328
300000	Profile projectors	0	1167	0	413
9032810020	Industrial process control instr., hydraulic	40645	670	10823	236
810060	Industrial process control instr., pneumatic	30323	752	13086	310

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

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Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
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Metal Forming

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	4	314	0	0	1	19
8462100030	0	0	0	0	0	0	0	0	0	0
100050	1	5	0	0	0	0	2	336	7	114
210080	1	108	0	0	10	605	1	85	6	387
290030	0	0	0	0	11	523	0	0	0	0
290040	0	0	0	0	2	41	0	0	0	0
290050	1	24	0	0	23	671	2	24	25	749
310080	0	0	0	0	1	67	0	0	8	87
390050	5	233	0	0	4	188	2	16	3	792
410080	0	0	0	0	0	0	1	49	9	1935
490050	0	0	0	0	3	315	0	0	2	25
910060	0	0	0	0	0	0	0	0	2	215
910090	0	0	0	0	7	276	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	2	387
990045	1	35	0	0	1	8	0	0	0	0
990060	0	0	0	0	15	1063	11	112	2	729
8463100080	6	114	0	0	0	0	0	0	8	1341
200080	0	0	0	0	0	0	0	0	3	179
300080	0	0	0	0	4	516	0	0	1	3
900080	0	0	0	0	1	7	13	136	5	1023
9800000002	1	19	0	0	21	74	5	102	2	136
9900000002	0	0	0	0	25	30	4	11	18	10
Month Tot	16	538	0	0	132	4695	41	871	104	8131
Y-T-D Tot	40	3406	7	9	654	16361	138	2772	586	29600
NC YTD Tot	3	335	0	0	41	2049	3	152	65	6728
C&F Month	26	558	34	764	279	6014	131	1569	549	36889
C&F Y-T-D	55	3600	130	2608	1307	24433	532	5882	2470	121592
C&F NC YTD	3	335	22	1399	66	5077	8	1649	232	61991

Other Manufacturing Technology

1000000000	0	711	0	333	0	17273	0	469	0	7804
2000000000	0	31	0	6	0	7562	0	1512	0	6398
2710003070	0	0	0	0	0	14	0	0	0	0
8428900010	0	0	0	0	8	248	4	254	1	257
8431390080	0	0	0	4	0	1855	0	37	0	1660
8456101010	0	0	0	0	0	0	0	0	8	568
101020	0	0	0	0	0	0	0	0	7	558
105000	0	0	0	0	0	0	0	0	1	61
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	0	0	5	902	5	228	13	621
106050	0	0	0	0	31	4221	1	196	15	918
200005	0	0	0	0	0	0	0	0	1	118
200015	0	0	0	0	0	0	0	0	1	196
200035	0	0	0	0	1	47	0	0	0	0
200045	0	0	0	0	0	0	0	0	5	1178
200055	0	0	0	0	1	54	0	0	14	930
200065	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	5	140	30	1469	4	1169
400000	0	0	0	0	0	0	0	0	15	62
510010	0	0	0	0	4	514	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	4	113	2	5	8	694
800000	0	0	0	0	50	1848	0	0	55	1902
8479899040	0	0	0	0	0	0	2	10	22	151
908040	0	0	0	0	0	27	0	15	0	749
8537100030	0	0	0	0	0	0	0	0	6	70
9024100000	0	0	0	0	0	76	0	0	0	219
9031100000	0	0	0	0	0	124	0	0	0	16
300000	0	0	0	0	0	0	0	0	0	133
9032810020	0	0	0	0	10	43	1	5	50	7
810060	0	0	4700	8	80	8	0	0	6	13

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS

Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology

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Metal Forming

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	20	2059	1	65	0	0	0	0
8462100030	1	88	6	382	0	0	0	0	0	0
100050	4	38	85	12072	0	0	0	0	0	0
210080	4	268	15	980	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	2	193	0	0	0	0	0	0	0	0
290050	5	57	6	206	0	0	0	0	3	23
310080	0	0	2	954	0	0	0	0	0	0
390050	16	538	6	91	0	0	0	0	1	22
410080	1	16	9	1216	0	0	0	0	0	0
490050	30	178	2	45	0	0	0	0	17	300
910060	0	0	1	381	0	0	0	0	0	0
910090	0	0	1	1249	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	1	1696	0	0	0	0	0	0
990045	0	0	3	170	0	0	0	0	0	0
990060	0	0	2	44	0	0	1	12	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	1	50
300080	2	59	41	1277	0	0	0	0	0	0
900080	1	5	5	540	0	0	0	0	0	0
9800000002	4	22	16	1193	28	150	0	0	0	0
9900000002	34	38	271	290	7	5	0	0	18	17
Month Tot	104	1500	492	24846	36	220	1	12	40	412
Y-T-D Tot	350	4379	1551	83971	43	490	1	12	179	1136
NC YTD Tot	34	1423	137	13591	0	0	0	0	0	0
C&F Month	2043	3116	12655	96524	1522	1429	90	1359	192	4511
C&F Y-T-D	10279	13918	34978	329120	6075	8370	374	6485	646	8331
C&F NC YTD	54	5908	1747	214351	55	3479	64	3554	4	1405

Other Manufacturing Technology

1000000000	0	1893	0	12066	0	109	0	98	0	150
2000000000	0	1197	0	5178	0	33	0	84	0	38
2710003070	0	0	0	6	0	0	0	0	0	0
8428900010	2	519	227	3025	0	0	0	0	0	0
8431390080	0	23	0	573	0	2	0	0	0	2
8456101010	0	0	18	3259	0	0	0	0	0	0
101020	0	0	1	39	0	0	0	0	0	0
105000	0	0	18	2	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	1	28	0	0	0	0	0	0	0	0
106010	3	2878	6	702	0	0	0	0	0	0
106050	14	734	156	17444	1	18	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200035	0	0	0	0	0	0	0	0	0	0
200045	1	2389	0	0	0	0	0	0	0	0
200055	0	0	0	0	0	0	0	0	0	0
200065	5	615	2	579	0	0	0	0	0	0
300000	3	1003	2	614	0	0	0	0	0	0
400000	0	0	6	1472	0	0	0	0	0	0
510010	0	0	9	636	0	0	0	0	0	0
510090	1	46	0	0	0	0	0	0	0	0
590000	4	37	4	345	5	23	0	0	0	0
800000	2	407	260	3282	0	0	0	0	0	0
8479899040	0	0	106	6915	0	0	0	0	0	0
908040	0	124	0	995	0	0	0	15	0	0
8537100030	6	72	855	2620	0	0	0	0	0	0
9024100000	0	52	0	176	0	8	0	0	0	0
9031100000	0	146	0	9	0	0	0	0	0	0
300000	0	0	0	17	0	0	0	0	0	0
9032810020	4	1	0	0	0	0	0	0	0	0
810060	397	53	778	86	0	0	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
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Metal Forming

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	2	44	1	15	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	13	10	2	111	0	0	12	144
210080	0	0	0	0	0	0	1	169	1	354
290030	0	0	0	0	2	11	0	0	1	7
290040	0	0	0	0	4	57	0	0	0	0
290050	10	305	8	171	3	9	2	285	2	113
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	20	1	5	3	31	8	99
410080	0	0	2	642	0	0	0	0	1	237
490050	5	37	0	0	0	0	1	10	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	3	51	95	360	0	0	198	537
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	2	403	5	142
990060	1	7	0	0	0	0	3	34	4	361
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	2	9	15	141	0	0	3	28	3	153
900080	0	0	24	124	2	8	18	147	0	0
9800000002	4	13	0	0	1	10	5	60	4	88
9900000002	9	12	49	90	785	233	211	51	213	88
Month Tot	31	382	117	1292	896	820	249	1219	452	2323
Y-T-D Tot	145	2705	321	7461	2329	2788	534	4304	2103	7056
NC YTD Tot	1	24	3	698	2	32	7	1712	16	2308
C&F Month	109	518	182	9565	47721	7684	523	5472	21490	6534
C&F Y-T-D	438	5198	651	34263	219793	32690	1535	26841	63832	28770
C&F NC YTD	4	232	98	13724	201	7132	154	14116	277	12323

Other Manufacturing Technology

1000000000	0	953	0	2936	0	1950	0	4025	0	3422
2000000000	0	170	0	452	0	319	0	712	0	1773
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	12	534	4	764	0	0	4	21	1	73
8431390080	0	113	0	284	0	104	0	985	0	1217
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	5	14	0	0	0	0	0	0	1	6
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	1	3	0	0
8477103000	0	0	0	0	11	106	0	0	0	0
106010	0	0	0	0	0	0	0	0	0	0
106050	2	395	4	1227	7	332	1	6	25	1702
200005	0	0	0	0	0	0	1	75	0	0
200015	0	0	0	0	0	0	0	0	0	0
200035	0	0	0	0	0	0	1	15	2	25
200045	0	0	0	0	0	0	0	0	0	0
200055	0	0	0	0	0	0	0	0	0	0
200065	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	2	48	0	0	1	15
400000	0	0	0	0	0	0	0	0	1	114
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	3	3	4	283	0	0
800000	9	109	2	464	10	77	25	192	8	352
8479899040	8	263	0	0	0	0	2	6	35	603
908040	0	89	0	4	0	64	0	245	0	663
8537100030	0	0	0	0	0	0	1	22	53	6
9024100000	0	0	0	4	0	0	0	139	0	12
9031100000	0	0	0	0	0	0	0	28	0	7
300000	0	0	0	41	0	0	0	222	0	0
9032810020	0	0	773	35	0	0	750	4	9235	141
810060	0	0	0	0	2556	10	8	7	4561	125

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
April 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	97	135	1	354	98	488
Bulgaria	2	27	0	0	2	27
Czechoslovakia	4	27	4	53	8	79
Denmark	37	275	2	3	39	278
Finland	3	55	9	539	12	594
Hungary	4	87	0	0	4	87
Ireland	0	0	6	17	6	17
Luxembourg	0	0	4	361	4	361
Netherlands	2	6	2	5	4	11
Norway	3	5	0	0	3	5
Poland	21	204	1	150	22	354
Portugal	0	0	3	118	3	118
Romania	0	0	0	0	0	0
USSR	1	9	0	0	1	9
Yugoslavia	32	142	1	70	33	212
Oth Europe	3	57	1	100	4	157
TOTAL	3262	48880	736	16114	3998	64994
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	6	12	219	218	225	230
Oth N & C Am.	0	0	0	0	0	0
TOTAL	153	1331	351	4913	504	6244
SOUTH AMERICA						
Argentina	1	38	0	0	1	38
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	45	5	0	0	45	5
Oth South Am.	0	0	0	0	0	0
TOTAL	80	807	0	0	80	807
OCEANIA						
Australia	5	132	2	53	7	186
New Zealand	0	0	2	101	2	101
Oth Oceania	0	0	0	0	0	0
TOTAL	5	132	4	154	9	286

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
April 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	20685	1618	190	87	20875	1705
Hong Kong	2	2	0	0	2	2
India	18	32	0	0	18	32
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	7	512	5	95	12	607
Malaysia	31	24	0	0	31	24
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	29	808	0	0	29	808
Oth Asia	0	0	0	0	0	0
TOTAL	81335	84097	1620	26079	82955	110175
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS - Metal Cutting Machine Tools - April 92

RELEASED: July 1, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301020	Traveling wire electro-discharge machines	260	21140	59	5545
301050	Electro-discharge machines, n.e.c., NC	71	5510	29	1800
301070	Electro-discharge machines, n.e.c., non-NC	69	965	19	254
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	615	48446	133	10816
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	45	13751	10	5707
100035	Horizontal machining centers, ATC	162	38696	54	14598
100045	Machining centers, n.e.c.	21	19004	4	14367
200010	Unit construction mach. (single station transfer), NC	1	168	0	0
200090	Unit construction mach. (single station transfer), non-NC	6	912	1	244
300010	Multi-station transfer machines, NC	17	17490	4	1437
300090	Multi-station transfer machines, non-NC	23	6669	5	604
8458110010	Horizontal lathes, multiple spindle, NC	106	16168	33	5189
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	625	42344	139	9298
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	125	19535	22	3033
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	12	4281	1	188
190030	Horizontal engine or toolroom lathes, non-NC	826	7592	306	2619
190050	Automatic bar and/or chucking mach., single spindle, non-NC	36	1489	3	44
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	11	1438	3	515
190090	Horizontal lathes, n.e.c., non-NC	49	659	27	269
911060	Vertical turret lathes, multiple spindle, NC	9	1930	1	167
911080	Vertical turret lathes, n.e.c., NC	20	3941	4	1635
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	4	2090	4	2090
915070	Vertical lathes, excluding VTL's, n.e.c., NC	14	2145	0	0
991050	Vertical turret lathes, non-NC	10	427	0	0
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	129	6053	24	1313
8459100000	Way-type unit head machines	3	215	1	130
210080	Other drilling machines, NC	41	4283	7	1019
290040	Drilling machines, multiple spindle, non-NC	82	2510	1	7
290050	Drilling machines, radial, non-NC	58	498	31	176
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	19	1543	10	1437
290090	Drilling machines, n.e.c., non-NC	99	4050	13	559
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	5	949	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	20	5517	5	2889
310070	Boring-milling machines, n.e.c., NC	3	590	2	420
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	6	363	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	39	1434	6	84
400040	Boring machines, vertical, NC	3	675	0	0
400050	Boring machines, vertical, non-NC	18	247	0	0
400070	Boring machines, n.e.c., NC	0	0	0	0
400080	Boring machines, n.e.c., non-NC	38	3004	13	1196
510080	Milling machines, knee type, NC	74	1989	4	508
590030	Milling machines, knee type, non-NC	550	5032	133	1104
610080	Milling machines, excluding knee type, n.e.c., NC	52	7739	16	4094
690050	Milling machines, profile, dup., or die sinking, non-NC	3	14	0	0
690070	Milling machines, bed type, non-NC	20	713	0	0
690090	Milling machines, n.e.c., non-NC	35	1041	1	92
700020	Threading or tapping machines, n.e.c., NC	133	7512	29	1839
700080	Threading or tapping machines, n.e.c., non-NC	18	1086	8	920
8460110080	Flat surface grinding machines, NC	29	1523	2	230
190010	Flat surface grinding mach., recip.-table type, non-NC	352	4785	111	1026
190050	Flat surface grinding machines, n.e.c., non-NC	330	6336	133	2065
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	91	22755	22	4208
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	50	2896	10	1336
290030	Grinding machines, internal cylindrical, non-NC	32	3969	11	638
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	201	11808	35	2729
310080	Sharpening machines (tool & cutter grinding), NC	61	2113	13	444
390050	Sharpening machines (tool & cutter grinding), non-NC	267	2110	29	232
400060	Honing or lapping machines, NC	7	465	2	109
400080	Honing or lapping machines, non-NC	59	4952	19	953
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	5	324	1	30
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	335	8024	83	2110
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	0	0	0	0
200010	Shaping or slotting machines, NC	3	115	0	0
200090	Shaping or slotting machines, non-NC	27	3669	11	1848
300060	Broaching machines, NC	2	403	0	0
300080	Broaching machines, non-NC	7	5241	2	343
401020	Gear cutting for bevel gears	0	0	0	0
401030	Gear hobbers	23	6893	7	1522
401040	Gear shapers	3	46	0	0
401060	Gear cutting machines, n.e.c.	39	176	4	15
405050	Gear grinding or finishing for bevel gears	2	1010	0	0
405070	Gear grinding or finishing machines, n.e.c.	23	6556	15	5017
500050	Sawing or cutting-off machines, NC	27	1966	9	190
500090	Sawing or cutting-off machines, non-NC	400	7137	86	1876
9000000001	Metal cutting machine tools, n.e.c.	89	5755	26	1275
9800000001	Used or rebuilt machine tools	1895	13301	139	2205
9900000001	Machine tools valued at less than $3,025	325170	27471	82900	6641
	Cutting Total			84835	135247
	Y-T-D Cutting Total	334114	485650		
	NC Y-T-D Cutting Total	2677	317621		

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - April 92

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	3	284
100025	0	0	0	0	0	0	0	0	1	86
100035	0	0	6	125	6	204	0	0	2	1149
100045	0	0	0	0	0	0	0	0	3	13817
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	1	244	0	0
300010	0	0	0	0	0	0	0	0	2	90
300090	0	0	0	0	2	142	0	0	0	0
8458110010	0	0	3	132	0	0	0	0	1	186
110030	0	0	0	0	0	0	1	80	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	18	165	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	6	47	0	0	0	0	3	461
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	184
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	1	296	1	6	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	2	1772
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	4
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	2	21	0	0	1	193
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	10	156
610080	0	0	0	0	0	0	0	0	6	1122
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	1	259	0	0	1	56
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	1	119
190010	0	0	0	0	0	0	0	0	21	56
190050	0	0	0	0	0	0	0	0	2	654
210080	0	0	0	0	0	0	0	0	6	1698
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	1	83
290050	0	0	0	0	2	31	0	0	22	636
310080	0	0	0	0	1	8	0	0	6	137
390050	0	0	0	0	2	9	0	0	1	6
400060	0	0	0	0	0	0	0	0	1	59
400080	0	0	0	0	0	0	1	13	2	348
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	1	16	2	7	14	314
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	1	4	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	1	180	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	3	390
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	5	3123
500050	0	0	0	0	0	0	0	0	1	21
500090	0	0	0	0	19	318	1	8	25	582
9000000001	0	0	0	0	0	0	7	31	9	294
9800000001	10	20	0	0	15	250	2	22	30	360
9900000001	0	0	0	0	94	52	74	113	258	317
Month Tot	10	20	34	764	147	1319	90	697	445	28758
Y-T-D Tot	15	194	123	2599	653	8072	394	3110	1884	91991
NC YTD Tot	0	0	22	1399	25	3028	5	1497	167	55263

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - April 92

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	31	3326	0	0	0	0	0	0
301050	0	0	19	1355	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	91	8504	3	148	11	602	0	0
100025	0	0	5	5053	0	0	0	0	1	308
100035	0	0	38	12854	0	0	0	0	0	0
100045	0	0	1	550	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	2	1347	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	29	4871	0	0	0	0	0	0
110030	0	0	86	7156	4	219	0	0	0	0
110050	0	0	20	2875	2	158	0	0	0	0
110090	0	0	1	188	0	0	0	0	0	0
190030	0	0	1	41	0	0	19	234	80	736
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	1	167	0	0	0	0	0	0
911080	0	0	4	1635	0	0	0	0	0	0
915050	0	0	4	2090	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	1	14	1	172	7	544	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	5	661	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	1	14	0	0	0	0	0	0	0	0
290070	0	0	10	1437	0	0	0	0	0	0
290090	0	0	3	183	0	0	0	0	7	56
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	2	1018
310070	0	0	1	7	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	5	80	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	1	15	7	917	0	0	0	0	0	0
510080	0	0	1	396	0	0	1	38	0	0
590030	0	0	1	47	0	0	0	0	55	476
610080	0	0	1	1311	0	0	1	34	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	92	0	0	0	0	0	0
700020	0	0	20	1349	0	0	0	0	0	0
700080	0	0	5	773	0	0	0	0	1	116
8460110080	0	0	1	111	0	0	0	0	0	0
190010	0	0	2	132	0	0	47	438	0	0
190050	0	0	2	238	0	0	0	0	0	0
210080	0	0	13	2078	0	0	0	0	0	0
290010	0	0	1	114	0	0	0	0	0	0
290030	1	480	0	0	0	0	0	0	0	0
290050	0	0	2	157	0	0	0	0	4	1362
310080	0	0	2	56	0	0	0	0	0	0
390050	4	36	0	0	0	0	0	0	0	0
400060	0	0	1	50	0	0	0	0	0	0
400080	0	0	7	449	0	0	0	0	0	0
900060	0	0	1	30	0	0	0	0	0	0
900080	2	98	29	1275	0	0	0	0	1	25
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	3	1442	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	1	163	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	4	1131	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	4	15	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	10	1893	0	0	0	0	0	0
500050	8	169	0	0	0	0	0	0	0	0
500090	12	91	7	729	0	0	0	0	0	0
9000000001	7	29	2	906	0	0	0	0	0	0
9800000001	0	0	26	645	0	0	0	0	1	2
9900000001	1896	426	11657	865	1470	140	10	1	0	0
Month Tot	1939	1616	12163	71679	1486	1209	89	1348	152	4099
Y-T-D Tot	9929	9539	33427	245149	6032	7880	373	6474	467	7195
NC YTD Tot	20	4484	1610	200760	55	3479	64	3554	4	1405

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - April 92

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	17	1661	0	0	0	0	11	558
301050	0	0	6	381	1	14	0	0	3	50
301070	0	0	2	24	17	230	0	0	0	0
8457100015	0	0	0	0	4	195	17	833	4	251
100025	0	0	0	0	0	0	0	0	3	261
100035	0	0	0	0	0	0	2	266	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	3	462	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	1	92	9	554	22	1042	16	155
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	65	492	19	354	104	597
190050	0	0	0	0	0	0	0	0	3	44
190070	0	0	3	515	0	0	0	0	0	0
190090	0	0	0	0	9	43	14	191	4	35
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	6	74
8459100000	0	0	0	0	0	0	1	130	0	0
210080	0	0	0	0	0	0	1	174	0	0
290040	0	0	0	0	1	7	0	0	0	0
290050	0	0	0	0	14	97	0	0	16	66
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	1	18	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	1	98	0	0
310070	0	0	0	0	0	0	1	413	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	2	50	0	0
510080	0	0	0	0	0	0	2	73	0	0
590030	0	0	0	0	66	416	0	0	1	8
610080	0	0	2	1523	6	103	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	7	175	0	0	0	0
700080	0	0	0	0	1	6	1	23	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	23	149	0	0	18	250
190050	0	0	1	253	83	815	1	10	44	96
210080	0	0	3	432	0	0	0	0	0	0
290010	0	0	7	1203	2	18	0	0	0	0
290030	0	0	0	0	0	0	0	0	9	74
290050	1	20	3	515	1	9	0	0	0	0
310080	0	0	3	114	0	0	0	0	1	129
390050	0	0	3	44	2	8	16	117	1	11
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	1	68	0	0	8	75	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	6	70	3	11	0	0	9	55	16	238
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	1	344	6	58	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	2	11	5	30	4	18	11	89
9000000001	1	14	0	0	0	0	0	0	0	0
9800000001	1	9	3	617	2	7	40	198	9	75
9900000001	69	22	1	3	46500	3419	113	131	20758	1150
Month Tot	78	136	65	8274	46825	6865	274	4253	21038	4210
Y-T-D Tot	293	2493	330	26802	217464	29902	1001	22536	61729	21714
NC YTD Tot	3	208	95	13026	199	7099	147	12404	261	10015

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U.S. EXPORTS
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RELEASED: July 1, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	59	3953	21	1427
100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	23	2212	4	563
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	8	1483	2	467
100035	Horizontal machining centers, ATC	14	3738	3	519
100045	Machining centers, n.e.c.	62	7601	11	2596
200010	Unit construction mach. (single station transfer), NC	4	1394	3	436
200090	Unit construction mach. (single station transfer), non-NC	1	97	0	0
300010	Multi-station transfer machines, NC	1	589	0	0
300090	Multi-station transfer machines, non-NC	24	8482	1	108
8458110010	Horizontal lathes, multiple spindle, NC	20	1765	2	168
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	34	4279	13	2331
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	15	3832	1	63
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	12	3362	5	1283
190030	Horizontal engine or toolroom lathes, non-NC	17	315	9	148
190050	Automatic bar and/or chucking mach., single spindle, non-NC	3	153	0	0
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	15	997	5	387
190090	Horizontal lathes, n.e.c., non-NC	80	1140	12	174
911060	Vertical turret lathes, multiple spindle, NC	1	84	1	84
911080	Vertical turret lathes, n.e.c., NC	4	855	3	737
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	10	2261	0	0
991050	Vertical turret lathes, non-NC	8	290	0	0
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	24	3314	2	66
8459100000	Way-type unit head machines	6	724	1	135
210080	Other drilling machines, NC	37	3961	6	330
290040	Drilling machines, multiple spindle, non-NC	4	127	1	45
290050	Drilling machines, radial, non-NC	9	90	2	21
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	3	111	0	0
290090	Drilling machines, n.e.c., non-NC	264	1639	41	215
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	0	0	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	0	0	0	0
310070	Boring-milling machines, n.e.c., NC	10	692	0	0
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	0	0	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	13	229	0	0
400040	Boring machines, vertical, NC	0	0	0	0
400050	Boring machines, vertical, non-NC	13	1057	1	648
400070	Boring machines, n.e.c., NC	2	271	1	168
400080	Boring machines, n.e.c., non-NC	6	251	3	166
510080	Milling machines, knee type, NC	2	1477	1	127
590030	Milling machines, knee type, non-NC	87	3362	28	966
610080	Milling machines, excluding knee type, n.e.c., NC	24	9498	4	589
690050	Milling machines, profile, dup., or die sinking, non-NC	9	668	6	448
690070	Milling machines, bed type, non-NC	1	25	0	0
690090	Milling machines, n.e.c., non-NC	44	3686	7	653
700020	Threading or tapping machines, n.e.c., NC	6	457	2	60
700080	Threading or tapping machines, n.e.c., non-NC	77	1156	15	278
8460110080	Flat surface grinding machines, NC	29	1180	7	196
190010	Flat surface grinding mach., recip.-table type, non-NC	8	96	2	22
190050	Flat surface grinding machines, n.e.c., non-NC	27	2764	6	395
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	21	4877	7	1564
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	6	2278	1	515
290030	Grinding machines, internal cylindrical, non-NC	43	3435	7	1280
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	84	4652	18	520
310080	Sharpening machines (tool & cutter grinding), NC	21	1112	4	122
390050	Sharpening machines (tool & cutter grinding), non-NC	174	1336	22	164
400060	Honing or lapping machines, NC	1	44	1	44
400080	Honing or lapping machines, non-NC	143	1703	16	190
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	5	1817	0	0
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	475	5706	104	1321
8461100060	Planing machines, NC	1	1722	0	0
100080	Planing machines, non-NC	43	1567	6	117
200010	Shaping or slotting machines, NC	13	451	0	0
200090	Shaping or slotting machines, non-NC	5	157	0	0
8461300060	Broaching machines, NC	8	1688	6	1650
300080	Broaching machines, non-NC	8	976	2	840
401050	Gear hobbers	6	730	0	0
401070	Gear shapers	8	440	0	0
401090	Gear cutting machines, n.e.c.	33	7615	11	1629
405060	Gear grinding or finishing machines	15	3218	10	2231
500050	Sawing or cutting-off machines, NC	22	1366	4	83
500090	Sawing or cutting-off machines, non-NC	378	5126	137	1797
9000000001	Metal cutting machine tools, n.e.c.	388	6982	103	1414
9800000001	Used or rebuilt machine tools	3052	27897	1318	10389
9900000001	Machine tools valued at less than $3,025	15414	7224	3931	2188
	Cutting Total			5940	45077
	Y-T-D Cutting Total	21487	179842		
	NC Y-T-D Cutting Total*	502	69524		

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U.S. EXPORTS
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	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	3	312
8457100015	0	0	0	0	0	0	0	0	1	185
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	2	250	0	0	1	269
100045	0	0	0	0	0	0	0	0	4	1153
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	2	226
110050	0	0	0	0	0	0	0	0	1	63
110090	0	0	2	743	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	2	236
190090	3	40	0	0	0	0	0	0	4	92
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	1	38
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	1	45
290050	0	0	0	0	0	0	0	0	1	4
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	13	86	21	99
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	1	648
400070	0	0	0	0	0	0	0	0	1	168
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	1	127
590030	0	0	0	0	1	19	1	58	1	45
610080	0	0	0	0	0	0	0	0	1	315
690050	0	0	0	0	0	0	0	0	2	419
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	2	163	0	0	2	33
8460110080	1	26	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	2	208
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	6	66
310080	0	0	0	0	0	0	2	68	0	0
390050	0	0	0	0	0	0	0	0	16	128
400060	0	0	0	0	0	0	0	0	1	44
400080	3	25	0	0	1	5	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	0	0	12	127	19	204
8461100060	0	0	0	0	0	0	0	0	0	0
100080	3	79	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	1	30
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	3	69
500090	2	9	1	16	0	0	0	0	38	370
9000000001	1	11	0	0	0	0	1	6	27	286
9800000001	1	5	0	0	3	19	1	19	1029	5838
9900000001	68	64	15	9	24	21	130	5	227	255
Month Tot	82	259	18	769	33	477	160	369	1420	11977
Y-T-D Tot	334	1524	21	1274	72	785	260	4125	2821	34865
NC YTD Tot*	4	180	3	1240	4	325	18	2064	107	16455

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U.S. EXPORTS
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	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	1	93	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	1	889	0	0	0	0	0	0	0	0
200010	0	0	1	195	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	1	120	1	150	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	1	135
210080	1	84	0	0	2	118	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	1	4	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	1	160	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	1	507	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	1	527	0	0	0	0	0	0	0	0
290010	1	515	0	0	0	0	0	0	0	0
290030	1	424	0	0	2	48	4	809	0	0
290050	0	0	0	0	2	15	1	195	0	0
310080	0	0	2	54	0	0	0	0	0	0
390050	0	0	0	0	2	11	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	2	47	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	15	316	1	7	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	1	3	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	2	840	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	1	44	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	1	3	7	137	0	0	0	0
9000000001	4	42	0	0	10	130	0	0	0	0
9800000001	0	0	7	127	8	787	0	0	0	0
9900000001	37	57	37	23	266	102	11	9	17	23
Month Tot	51	3544	50	557	318	2426	18	1064	18	158
Y-T-D Tot	325	15429	336	2460	1026	6828	208	3793	30	4739
NC YTD Tot*	26	6954	12	1297	24	2111	2	446	3	135

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	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	10	524	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	4	371	0	0	1	98
200010	0	0	0	0	0	0	0	0	1	103
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	2	168
110030	1	45	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	3	540
190030	0	0	0	0	0	0	0	0	5	48
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	1	8	0	0	2	25
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	3	737
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	1	64	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	17
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	4	16
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	1	119	0	0	0	0	0	0	2	47
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	4	29
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	4	68
700020	0	0	0	0	0	0	0	0	2	60
700080	0	0	0	0	0	0	0	0	1	5
8460110080	0	0	0	0	0	0	0	0	4	128
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	5	300	0	0	0	0
210080	0	0	2	581	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	5	76
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	4	25	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	11	126	0	0	8	67
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	1	13	0	0	0	0	1	21
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	5	1620
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	50	0	0	0	0	0	0	0	0
405060	0	0	0	0	10	2231	0	0	0	0
500050	0	0	0	0	0	0	0	0	1	14
500090	0	0	25	427	22	396	1	11	10	162
9000000001	0	0	10	87	7	190	0	0	6	157
9800000001	0	0	3	21	3	365	0	0	121	1258
9900000001	75	63	175	93	66	65	19	11	950	268
Month Tot	77	278	226	1746	134	4140	20	22	1146	5731
Y-T-D Tot	319	3999	1198	15452	593	17984	178	454	4289	20838
NC YTD Tot*	5	1510	45	3548	45	7282	0	0	61	7568

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	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	6	370	0	0	0	0	0	0	0	0
8457100015	0	0	2	235	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	1	108	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	6	1470
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	3	151
190090	0	0	0	0	0	0	1	3	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	2	33	0	0	0	0
610080	0	0	1	80	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	2	78	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	6	66	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	1	3	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	2	248	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	2	62
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	1	5	0	0	2	27
900060	0	0	0	0	0	0	0	0	0	0
900080	1	7	2	14	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	10	33	0	0	0	0	0	0	7	42
9000000001	1	16	7	41	2	12	0	0	3	69
9800000001	17	15	5	230	1	7	5	63	5	62
9900000001	39	16	185	109	17	10	11	11	59	60
Month Tot	76	705	203	712	32	318	17	77	87	1942
Y-T-D Tot	222	2112	1106	3355	182	449	181	2928	576	8179
NC YTD Tot*	20	1255	8	882	0	0	8	2294	25	6611

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	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	2	221
8457100015	0	0	1	143	0	0	0	0	0	0
100025	0	0	1	374	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	1	84	0	0	0	0	0	0	0	0
200010	0	0	1	138	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	2	320	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	3	64	1	36
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	1	5
911060	0	0	0	0	0	0	0	0	1	84
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	1	29	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	1	26	1	38
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	2	10	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	1	28	0	0	0	0	21	623
610080	0	0	1	74	0	0	0	0	1	121
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	1	3	3	9
8460110080	0	0	0	0	0	0	0	0	2	42
190010	1	19	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	1	95
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	2	106	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	6	73	0	0	0	0	0	0	1	7
900060	0	0	0	0	0	0	0	0	0	0
900080	1	4	4	136	0	0	13	141	17	175
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	1	172	0	0	0	0	9	1363
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	6	56	0	0	0	0	7	135
9000000001	3	70	6	135	0	0	4	36	11	125
9800000001	0	0	74	810	0	0	1	33	34	732
9900000001	463	35	243	69	0	0	137	87	660	722
Month Tot	475	285	346	2598	0	0	160	389	773	4535
Y-T-D Tot	1568	1242	994	7130	0	0	1420	2135	3228	17701
NC YTD Tot*	6	553	30	3689	0	0	7	404	39	2722

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